

2015 Financial Assurance  
Estimate Form (with pre-plat construction)

3/17/2015

<b>Project Information</b>	
<b>Windingwalk Filing 1 at Meridian Ranch</b>	<b>6/7/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Compleat	Remaining
Earthwork*	431,000	CY @	\$ 5	= \$	2,155,000	\$ 2,155,000 *
Permanent Seeding*	158.2	AC @	\$ 582	= \$	92,072	\$ 92,072 *
Mulching*	158.2	AC @	\$ 507	= \$	80,207	\$ 80,207 *
Permanent Erosion Control Blanket*		SY @	\$ 6	= \$		\$ - *
Temporary Erosion Control Blanket	15,860	SY @	\$ 3	= \$	47,580	\$ 47,580
Vehicle Tracking Control	1	EA @	\$ 1,625	= \$	1,625	\$ 1,625
Safety Fence		LF @	\$ 3	= \$		\$ -
Silt Fence	6,811	LF @	\$ 4	= \$	27,244	\$ 27,244
Temporary Seeding		AC @	\$ 485	= \$		\$ -
Temporary Mulch		AC @	\$ 507	= \$		\$ -
Erosion Bales	871	EA @	\$ 21	= \$	18,291	\$ 18,291
Erosion Logs	1,328	LF @	\$ 6	= \$	7,968	\$ 7,968
Rip Rap, d50 Size from 6" to 24"	932	CY @	\$ 98	= \$	91,336	\$ 91,336 *
Rock Ditch Checks		EA @	\$	= \$		\$ -
Inlet Protection	26	EA @	\$ 153	= \$	3,978	\$ 3,978
Sediment Basin	6	EA @	\$ 1,625	= \$	9,750	\$ 9,750
Concrete Washout Basin	1	EA @	\$ 776	= \$	776	\$ 776
Detention Basin Outlet Structures	2	@	\$ 10,000	= \$	20,000	\$ 20,000
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
<b>Section 1 Subtotal</b>				= \$	2,555,828	\$ 2,555,828

Section 2 - Public Improvements**	Quantity	Units	Price		% Compleat	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control	1.0	LS @	\$ 5,000	= \$	5,000	\$ 5,000 *
Aggregate Base Course (8" @ 150 lbs/cu.ft.)	29,832.0	Tons @	\$ 18	= \$	536,976	\$ 536,976 *
Asphalt Pavement (3" @ 145 lbs/cu.ft.)	10,814.0	Tons @	\$ 65	= \$	702,910	\$ 702,910 *
Raised Median, Paved		SF @	\$ 7	= \$		\$ - *
Electrical Conduit, Size =		LF @	\$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	= \$		\$ - *
Regulatory Sign	25.0	EA @	\$ 100	= \$	2,500	\$ 2,500 *
Advisory Sign	9.0	EA @	\$ 100	= \$	900	\$ 900 *
Guide/Street Name Sign	19.0	EA @	\$ 100	= \$	1,900	\$ 1,900 *
Epoxy Pavement Marking	6,288.0	SF @	\$ 12	= \$	75,456	\$ 75,456 *
Thermoplastic Pavement Marking	300.0	SF @	\$ 22	= \$	6,600	\$ 6,600 *
Barricade - Type 3	8.0	EA @	\$ 115	= \$	920	\$ 920 *
Delineator (Type I)		EA @	\$ 21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)	19,734.0	LF @	\$ 21	= \$	414,414	\$ 414,414 *
Curb and Gutter, Type A (6" Vertical)	14,152.0	LF @	\$ 16	= \$	226,432	\$ 226,432 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	= \$		\$ - *
5' Pedestrian Ramp	439.0	SY @	\$ 108	= \$	47,412	\$ 47,412 *
6' Pedestrian Ramp	320.0	SY @	\$ 108	= \$	34,560	\$ 34,560 *
Mid Block Pedestrian Ramp	135.0	SY @	\$ 108	= \$	14,580	\$ 14,580 *

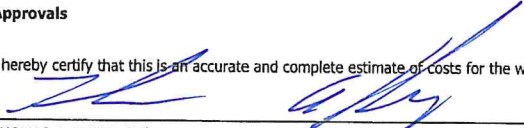
Cross Pan	236.0	SY	@	\$ 53	=	\$ 12,508	\$ 12,508 *
Curb Chase		EA	@	\$ 1,300	=	\$	\$ - *
<b>- Storm Drain Improvements</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$	=	\$	\$ - *
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$	\$ - *
18" Reinforced Concrete Pipe	1,600.0	LF	@	\$ 69	=	\$ 110,400	\$ 110,400 *
24" Reinforced Concrete Pipe	1,318.0	LF	@	\$ 84	=	\$ 110,712	\$ 110,712 *
30" Reinforced Concrete Pipe	1,215.0	LF	@	\$ 94	=	\$ 114,210	\$ 114,210 *
36" Reinforced Concrete Pipe	902.0	LF	@	\$ 124	=	\$ 111,848	\$ 111,848 *
42" Reinforced Concrete Pipe(62' from grading)	1,247.0	LF	@	\$ 134	=	\$ 167,098	\$ 167,098 *
48" Reinforced Concrete Pipe	1,071.0	LF	@	\$ 178	=	\$ 190,638	\$ 190,638 *
54" Reinforced Concrete Pipe	206.0	LF	@	\$ 182	=	\$ 37,492	\$ 37,492 *
Flared End Section (FES) RCP(1) from grading	2.0	EA	@	\$ 650	=	\$ 1,300	\$ 1,300 *
End Treatment - Cutoff Wall		EA	@	\$ 1,000	=	\$	\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$	\$ - *
Curb Inlet (Type R) L=5', 5'-10' Depth	3.0	EA	@	\$ 5,044	=	\$ 15,132	\$ 15,132 *
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$ 6,027	=	\$	\$ - *
Curb Inlet (Type R) L =10' , Depth < 5 feet		EA	@	\$ 5,528	=	\$	\$ - *
Curb Inlet (Type R) L =10' , 5'-10' Depth	12.0	EA	@	\$ 6,694	=	\$ 80,328	\$ 80,328 *
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$ 7,500	=	\$	\$ - *
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$ 7,923	=	\$	\$ - *
Curb Inlet (Type R) L =15' , 5'-10' Depth	7.0	EA	@	\$ 8,000	=	\$ 56,000	\$ 56,000 *
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$ 8,800	=	\$	\$ - *
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$ 8,000	=	\$	\$ - *
Curb Inlet (Type R) L =20' , 5'-10' Depth	4.0	EA	@	\$ 8,830	=	\$ 35,320	\$ 35,320 *
Curb Inlet (Type R) L = _____ , _____ ' Depth		EA	@	\$	=	\$	\$ - *
Curb Inlet (Type R) L = _____ , _____ ' Depth		EA	@	\$	=	\$	\$ - *
Grated Inlet (Type C), < 5' deep	4.0	EA	@	\$ 3,270	=	\$ 13,080	\$ 13,080 *
Temp. CMP Inlet	1.0	EA	@	\$ 2,800	=	\$ 2,800	\$ 2,800 *
Storm Sewer Manhole, Box Base, Depth < 15 feet	6.0	EA	@	\$ 8,592	=	\$ 51,552	\$ 51,552 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	23.0	EA	@	\$ 4,575	=	\$ 105,225	\$ 105,225 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ - *
Rip Rap, d50 Size from 6" to 24"	42.9	CY	@	\$ 98	=	\$ 4,204	\$ 4,204 *
Rip Rap, Grouted		CY	@	\$ 215	=	\$	\$ - *
Drainage Channel Construction, Size ( W x H )		LF	@	\$	=	\$	\$ - *
Channel Lining, Concrete		CY	@	\$ 450	=	\$	\$ - *
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$	\$ - *
Channel Lining, Grass		AC	@	\$ 1,287	=	\$	\$ - *
Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$	\$ - *
Sub-Regional Detention Pond	1.0	LS	@	\$ 220,957	=	\$ 220,957	\$ 220,957 *
Detention Emergency Spillway		EA	@	\$	=	\$	\$ - *
Permanent Water Quality Facility (Describe)		EA	@	\$	=	\$	\$ - *
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6					=	\$ 3,511,364	\$ 3,511,364 **
<b>Section 2 Subtotal</b>					=	\$ 3,511,364	\$ 3,511,364 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Comple	Remaining
<b>- Roadway Improvements</b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
Concrete Sidewalk (5')	13,289.0	SY @	\$ 38	=	\$ 504,982	\$ 504,982
Concrete Sidewalk (6')	8,759.0	SY @	\$ 38	=	\$ 332,842	\$ 332,842
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<b>- Storm Drain Improvements</b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<b>- Water System Improvements</b>						
Water Main Pipe (PVC), Size 8"	13,156.0	LF @	\$ 94	=	\$ 1,236,664	\$ 1,236,664
Water Main Pipe (PVC), Size 10"	2,065.0	LF @	\$ 105	=	\$ 216,825	\$ 216,825
Water Main Pipe (PVC), Size 12"	1,309.0	LF @	\$ 115	=	\$ 150,535	\$ 150,535
Raw Water Main Pipe (PVC), Size 12"		LF @	\$ 115	=	\$	\$ -
Raw Water Main Pipe (PVC), Size 6"		LF @	\$ 89	=	\$	\$ -
Gate Valves, 8"	44.0	EA @	\$ 1,852	=	\$ 81,488	\$ 81,488
Gate Valves, 10"	8.0	EA @	\$ 1,925	=	\$ 15,400	\$ 15,400
Gate Valves, 12"	3.0	EA @	\$ 2,000	=	\$ 6,000	\$ 6,000
Butterfly Valves, 14"		EA @	\$ 2,100	=	\$	\$ -
Fire Hydrant Assembly w/ all valves	38.0	EA @	\$ 6,430	=	\$ 244,340	\$ 244,340
Water Service Line Installation, including tap and valves	369.0	EA @	\$ 1,253	=	\$ 462,357	\$ 462,357
Pump Station, complete		EA @	\$ 50,000	=	\$	\$ -
Air/Vac Valve & Vault, complete		EA @	\$ 3,500	=	\$	\$ -
<b>- Sanitary Sewer Improvements</b>						
Sewer Main Pipe (PVC), Size 8"	15,722.0	LF @	\$ 94	=	\$ 1,477,868	\$ 1,477,868
Sanitary Sewer Manhole, Depth < 15 feet	50.0	EA @	\$ 4,575	=	\$ 228,750	\$ 228,750
Sanitary Service Line Installation, complete	360.0	EA @	\$ 1,516	=	\$ 545,760	\$ 545,760
Sewer Main Pipe (PVC), Size 15"		LF @	\$ 96	=	\$	\$ -
<b>- Landscaping (If Applicable)</b>						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
***Items in this section are not subject to defect warranty financial assurance						
				<b>Section 3 Subtotal</b>	=	\$ 5,503,811
						\$ 5,503,811


Financial Assurance Totals		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$1,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$11,572,003</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>\$11,572,003</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$1,167,729</b>
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)	

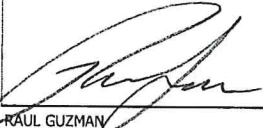
**Approvals**

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.


6-8-18

THOMAS A. KERBY, PE 31429 Date  
 Engineer (P.E. Seal)




6/8/18

RAUL GUZMAN VICE PRESIDENT Date  
 Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator Date